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This document is part of a collection that serves two purposes. First it is a public archive for data and documents resulting from evolutionary, ecological, and behavioral research conducted by the Ketterson-Nolan research group. The focus of the research is an abundant North American songbird, the dark-eyed junco, *Junco hyemalis*, and the primary sources of support have been the National Science Foundation and Indiana University. The research was conducted in collaboration with numerous colleagues and students, and the objective of this site is to preserve not only the published products of the research, but also to document the organization and people that led to the published findings. Second it is a repository for the works of Val Nolan Jr., who studied songbirds in addition to the junco: in particular the prairie warbler, *Dendroica discolor*. This site was originally compiled and organized by Eric Snajdr, Nicole Gerlach, and Ellen Ketterson.

Context Statement
This document was generated as part of a long-term biological research project on a songbird, the dark-eyed junco, conducted by the Ketterson/Nolan research group at Indiana University. For more information, please see IUScholarWorks (https://scholarworks.iu.edu/dspace/handle/2022/7911).

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Mountain Lake Biological Station - Near Pembroke, Va, elev. 3800 ft

May 9

Weather: Partly cloudy (mostly), all winds 30 mph, P.M. less. Cold 40-45°F. Explored today. Not set nests. Interestingly, found nests around station & WVN, but none down WVS or W.P. Road. At station, found new nest (not finished) near Silvatica Pond - ST1. Have not found Double-red on Slow-song 9 nests. Did not see Double-blue or today? Found nest w/ 1 junco egg ~200 yds N of gate on WVN, WVN1. One Red Left 9° had a nest w/ a UB 9 in the banked area between fork of WVR & ST. Rd. In a.m. there were 2 junco, 1 CB egg; that afternoon only 1 J, 1 CB egg. 9 was on nest in a.m.; off (eggs cold) later. I called Ellen; she suggested robbing ST WVN2 eggs & using them as dummies in WVN1 - I did. Holding WVN1 egg #1 in cabin. Oh! Found Double-white 9 (Green box) in new nest! She's got new (unfin) nest very close to ST1 - 1983; 9° is Double-Green 9° (Strange). Found out today that all the bait was kept somewhere. Used the rest of the wild bird seed to place in & traps. Saw 1 Double Ht. Blue 9 - alone near Steve's & Alaska's. Hum. One Red-L. came & displayed to him; I followed a bit.

Found an incomplete nest close to 1983 - WVN3 X...

I think it belongs to this UB pair that I see near the...
10 May - AM: Warmer today, 50's, Partly cloudy - slight wind. Well shit! Things don't look so good. Seems as though CB's are laying after junco's do in the morning. WVN2 was parasitized today, but the CB apparently took the new j. egg (should have been #2) & left the dummy j. egg! Damn! Now nest has 1 CB, 1 dummy (I have the real #1) Maybe we can get a 3-egg clutch. Amit. CB's are virtually everywhere! Whenever I go I hear & see them. Ugh.

Went to Blacksburg at 1000. Remembered to get everything except sectioned notebooks. Oh well. Set 3 traps w/ bait & opened them. I on Steve & Akka's lawn (S.A.), one in gravel clearing near Washington & Dining hall, 1 at Riopelle picnic area to get the two there. Oh no the WVN2 nest has been screwed up. After putting dummy junco (real egg) in, today I came back & there was the dummy egg & a CB egg. CB apparently took the new junco egg #2 & left the one she should have taken. Seems strange that CB's laid after the junco did.

Walked up "Bald Nob" on the way back from town. Saw a young from last year. 0 - territorial, sang along B.N.: Road - colors = So Red - R., Lt. Blue - L. He is from WP1B'1983. That was a late nest, was still in when I left. Not much change in all the semi - finished nests. ST 1 definitely active, though. No eggs yet. Double red foraging alot on lawn. Sometimes Blue is w/ her, sometimes not. I followed her for ~ 40 min., but she kept eating. Don't think she's going yet.


10 May Can't. The 7 WVN is UB. She was there this am ~ 1000. Nest is near the stream (old WVN 3N term.). The rest of the Bald Nob Rd. Found 1 fine hair stag nest - saw & heard 2 more UB O° sing; I saw 1 UB pair foraging. Went ~ ½ mile past turn in WVN WVN - new area. Saw 1 UB O° sing; found no nests. Area looks good, though. Maybe later.

11 May Warmer today - cool am, but by ~ 900 it was partly cloudy ~ 60°F & windy. Wind persisted all day - got sunny ~ (70°F?)

May. Pat left today. The CB at WVN pulled the same trick this am, now 2 CB eggs & 1 Junco dummy egg. Went up to Bear cliffs this afternoon - a couple O° heard - one sang at B.C., another ~ ½-way. An UB O° sang in a territory ~ 100 yds up the trail from White Pine parking to Spring Rd. There is a pair nesting at the spring again - I may have found her nest in progress. On same side of bank as the one last year. Some pesty rodents got one of my dummy eggs - Jesus - if it can fool a predator, maybe it can fool a junco! They were drying on the dresser in Boministy, t when I checked them ~ 1/20, one had been chewed on & was gone.

Wind died down somewhat ~ 1700. I tried to catch the O° W white pine parking area by playbacks & Junco mount. No luck, although he came close & sang. Found 1 complete nest on WV 5N, area
1984

May 11, Can't

garbage dump road, looks ready. Saw B. singing
w/ WUS4 area - couldn't see all the bands, but it
could be replacement of WUS4 (1983) if a white band fell
off.

May 12

Mostly cloudy, cool, & warm when sun came out
occasionally. ~60-65°F. Wind 5-20 mph. Rained some
to-midday. I went around a ~0700 to see what was
going on w/ C.B. laying. Unfortunately, ST1 & had apparently
already laid egg 1, & C.B. egg 34. I think this
because I followed her a bit & looked in the nest
later this a.m. & no Junco egg was laid later.
Could also be that she hasn't yet laid egg #1,
but it is doubtful. Egg #4 in WUS1 OK today.
It was a bit early, & on when I came a ~0930 to
return her egg #1. Caught the pair out in
white pine parking area in the trap! & seemed as
the she had an egg in there, so I figured egg #
tomorrow, & she must have a nest. I found it,
& it is complete & empty, ready for the eggs. Also,
egg #1 in WUS2 today - I put in the real
dummy Junco egg taken from WUS1 this a.m.
On the 50:50 (?) chance that C.B. may take
it instead of the new egg #2 tomorrow. In any case, I have nothing to lose. I think at this point the only thing I can do is to try to get to the nest early enough for the 1-3rd egg that the junco has laid but the CB hasn't yet, then I can put in a dummy egg & remove junco. I suppose the CB's watch the junco lay & go in straight away, so that you probably have to be there for this. Ugh. Junco seen to lay at different times. WVN1 laid between egg #4 0700 & 800, but ST1 was earlier than 0700.

Went up the golf course road today ~ 3/4 of the way. Good banks & a couple of junco singing. No nests, though. Also looked for ~1 hr. straight for double-red & Riopelle & 's nests. They either don't have them yet, or they've got some secret hiding place.

Saw interesting interaction with ST1 pair (double-green c & double-white t) & Slow-song & t. A lot of twittering & chirping, both pairs feeding in same area, apparently territorial, which everyone wanted. In the end both pairs did feed there. My writing is getting sloppier & I think my mind has had it - I keep writing wrong letters in words. . . . Main coats & smoothing. I paint on the last 2 (small not too small) eggs. tomorrow I'll
do the finishing spectacles & we'll have 7 eggs. Whew! What a lot of work they are. A rodent (chipmunk) stole one, but chewed it a bit 1st, from the dresser one afternoon when they were drying from polyurethane treatment. Yech!

May 13

Nice today - Breezy am., calmed later. Mostly sunny, ~60-65°F. Rained some w 1800. I guess alot happened today; by am I tired w 1800! Got up w 0600. to catch junco egg #2 from ST1 & from CB fate. I waited w the nest for 2hrs & 15mins, & no egg. & got in nest (I left for ~ 25 min) - was in w 0900; came out w 0925, but no egg. None all day. Maybe she laid me later, & CB ate it, but doubt ful. Went then to check on ST2 - all ok. Her j. egg #1 safe. I took it for safe keeping & replaced it w/ CB egg. Hope it's #2. Double-green/white & seems to have nest behind laundry, but sh*t if I can find it. Saw her fly up - then chip w me, as she did yesterday. I must have trampled every inch of that area - nothing! WVS1 has had her 4th egg stolen, before I could measure it. I took out the other CB egg - see now is left w/ 1 junco & a dead CB egg to incubate. WVS1 not only got it this a.m., but 2 CB's laid in them. I took one. Also, WVS2 egg #2 fortunately intact, as was the dummy egg, even though a CB laid. I took #2 & left CB egg d dummy. This nest
May 13, can't

Now has a whooping promising number of 2 junco eggs, safe, for a few days, at least.

I found several new nests today. In all, the total # of Active nests I've found is 11. One, I robbed, most of them are empty today, many have been parasitized so badly that they will be lucky to get 2 juncos/clutch. I actually found a 4 junco egg clutch way in on White Pine Rd. I found 5 nests here today, all the rest ready to go tomorrow. A few in preps, so I can't be sure yet, or give them numbers. Another found on WVS-around WVS 8-83. 2 juncos, 2 CB eggs. May not be complete, yet, as I did not see # on either time I passed by. Tried a bit of trapping—no luck. Saw a 9 CB around there (Sato's lawn) right as I closed the trap to go down the hill. Shit.

May 14

Weather: Mostly cloudy, ~20-30mph wind, cooled spring day

Station news: I went to ST2 & watched & get on. I lay, 2 eggs, egg #2. She stayed on for almost an hr. I subed, w/ a CB egg. Val & El. came today—When we looked w/ 512 w/ 12:2000, only 1 CB egg (?)! No eggs from ST2. No more ST nests found. Spring Rd. pre-nest seems abandoned. Pair is there but I couldn't find a nest.

Bald Neb—Found 3 definite nests—1 w/ CB egg, others empty.

WVS—WVS1—very heavy parasitism—2 now CB eggs to day.
May 14, cont.

No Junco ones left yet. WVS4 - 9 incubating - clutch complete w/ 2 Juno eggs - one of which will surely not hatch due to the ptinutes.

WVS2 - I've saved egg #3 - I wonder if any of them would have been removed. The dummy-real Junco egg 0.K. On White Pine Rd, all the empty nests I found yesterday were still. Others in prep. nests seem to have been worked on-but slowly. True also for WVS area.

Cold Temp. Dropped 1st time 50°F -

Windy - mostly sunny, O.K. - wonderful day! Got my Notebooks - started using them. From now on Notes will be in them. ST/2 - 3rd egg successfully laid - I have it. I substituted a fake Junco egg this time, as 2 CB eggs already present, & I did not have a real "X" f. egg. We'll see... ST/1

She had another CB egg today - ugh. I put all 3 eggs back in WVS2 this a.m., so she has a complete clutch of 4. Hope she won't desert. She wasn't in later today... We found the nests of Double Red & Slow-Song 9 f today! Val flushed 5, S, 4 from it - when I thought... behind Laundry, 3 eggs + 2 CB eggs. Adrian Masse found De.Red flushed her, t told me. EL actually found nest - near Silvatica pond.

5j, 2 CB eggs. I removed CB eggs from both.

EL & I baited parts of White Pine Rd - saw the WP18 kid that sang at Bt. at the stream X-ing. Same colors - weird. I walked up one of the horse trails off golf course Rd - saw a couple pairs of UB's. No real banks, but Juncos are there. More discreet sites, I'm afraid. Oh, so Slow Sing &
May 15

is incubating now, & so, presumably, Double Red (the flash of adrian described). Also the condition of the clutch - w/ 2 CB eggs, I would say she was lucky to keep 3 eggs. O Red, however, was nowhere to be seen, & eggs were very cold. We roped (froged) off the area to avoid trampling

Cold, as yesterday. ~ 95-50°F & windy. Sunny.

May 16

It is supposed to freeze tonight. Ugh. Jim Dewley & Jim Hill arrived last night, & today a bunch of youngster students. Did Bald knob - no A's, except BK3 had a J. egg which I left. Found Silvatica Pond & R Riopelle (D blue?) nests today. Silvatica was empty & complete, was the pre-lim. nest I found before. Riopelle's had a CB egg in it. EL & I went to WP Rd. - Not much A all. No changes at all. EL saw a banded 7 near WP4, but we could not see him colors. Maybe new nest @ stream Xing. Val caught one Red-L in his UB & in a trap on STA's lawn! Yay. Now the only UB breeding STation 6th is Silvatica 9. I returned ST12's 3 junco eggs today - seems ok. Found ST16 - Riopel & Double-blue nest.

Les Real arrived- May 17

Warmer, Sunny & fairly still. ~ 60°F. Froze last night. A.M. I found a new CB egg in ST15, that's it. ST31 6 had normal J. egg, which I exchanged for fake egg. Silvatica nest (ST16) had 8 egg in it. WVS11 had a J. egg, plus a new CB egg; when I went to pick up the J. egg, it broke to my touch. I think it was previously cracked. V. & EL tried to catch
May 17, cont.

the O² W WVS14, I caught 9 by mistake. She injured her wing & was off the nest for a few hrs - eggs got cold. However, she was on later that p.m. They also set 8 nets around WVS 11 area. Bald Knob - the j. egg in BK3 disappeared, & nest was empty. Nothing else. Saw WVS22 & 4 in nest, I'm pretty sure - 9 UB, w/o 5-R, while-L. In nest vicinity, 9 was off nest. This is O² WVS16 - same territory as last yr. Also got a look at the WP6 area pair we saw yesterday. 9 is S-L, Lt blue O Lt Gm O Lt blue - R. Oh! It is the WP4 9!!

Wow! Experimental! same area.

Went to town from 1000- 1500. WP2 had 1 j. egg in it - I switched it for a CB egg.

May 18

Warmer - cool a.m., ~65-70° - fairly still, a little breeze. Some sunny times, some overcast.

OK, lots happened today.

Station - still been incubating - now she has 2 Junco eggs - apparently #3 & 4. I left 1 CB egg in nest. ST15 had Junco egg this a.m., & ST16 had 2nd CB egg.

WVN1 - most likely deserted - I took eggs (2). Val saw UB bird building near the stream there this p.m. - I assume same birds.

WPRD - Found WP2 9's nest I think - same site. G1 has seen her w/UB O² al lot. No one has seen the WP2 Replacement O².

Saw young from WP4 (9) - w/UB O² O WP² area.
Also saw WP3 & a WP21 (WPS area). She is an
neighbor territory from last year. Strange nest-building
behavior seen by banded 0♀ in this area (WP7♀) -
we are confused about how many pairs are in this area
we've seen 3.
WP21 2nd J. egg - WP22 1st junco egg.
Found WP27 - same spot as WP12 - 4 J. eggs - They
were cold. Don't know whose they are.
WVS - V & El. banded lots today. Caught Rain Nest ♀
(WVS190♀'s mate - I think Val put Lt. Green O the Silver - R).
She is Green/brown. O.S - L, Orange/brown O Orange/brown - R.
Also, saw WP WVS♀ male - released last July
from Bloomington. S - R, Yellow/Pink O Yellow/Pink - L. They caught
♀ banded his ♀ S - L, Orange/green O Orange/green - R. Her
nest active & found.
* Found their nest on steep bank S. of stream area here. 258,
4 J. eggs.
Found WVS♂♀ & WP18O♂♂'s nest. Right under bank where
WVS♂♂ was! 35, 2 CB eggs ♀ not incubating.
Tried out my new lens today - took 200mm X Doolittle
400mm Shot. Still ♀ off nest, but slow song + mate in trees.
Nest of WP23, ♀ incubating ♀ WVS24.
Warm sunny - fairly still - slight breeze. 70-75°F.

ST15 apparently done laying - New 3 eggs. I gave her back her clutch.

2. Caught both birds at silvatica pond. 0° is biggun this year - I think was a 1st yr. bird last yr. & seemed young. Now all breeding station birds are banded. She did not have a brood pouch, has not yet laid an egg. Still can't find nest of one Red Left 0°! (Now red OS-R, too). A good day w WP Rd. Val & El caught 4 birds at WPS area, where 3 pairs seem to be nesting. Also caught the W8 0° at WP26 in trap.

I found a new nest on Bald Knob Rd - 4 J. eggs - she was very quiet & tolerant. When I measured her eggs - BK4. BK3 is deserted I think.

WVS 21 incubating today - 15 eggs. WVS 23 - 2nd day she has had 3 J. eggs. No one saw her on all day. Eggs cold.

Val & El. caught & banded a pair up WVN today in area where the old WVN2 was.

Saw WP10R 0° today, chipped w me in old territory. WP25 & WP29 still left empty. Oddly, WP27 (45 dutch) NO.

Warm, mostly sunny - slight breeze. 70-80°F.

May 20

O.K. all incubating today. Same 2 CB eggs in ST16, ST14, IS, 11, 12. all seem on. Val & El. found ST17 - Orange/bk & 1 Red L's nest.

It had 5 CB eggs & 2 J.'s. WP22 failed today - gotten by a
mammalian carnivore, so I put the 2 eggs from WP22 in ST17 for a 4-egg clutch. Tried to catch up on notes... WV527 began incubating - 3 eggs. Caught WP25 [0°] in O trap, mate of WP9 [K6] (wicine 05-14). WV529 & still not seen or nest. WP28 & on today. Both he & mate are UB.

May 21

Warm - hot. Mostly sunny - 75-80°F. Little breeze, a bit of clouding.

O.K. Got up early to stop CBs in WV525 & 26 - both still empty. WV525 still building. WV13 named, stream Xing pair - completed nest this am. Still failed. ST15 had 0 new J. eggs so she now has a clutch of 4. I saw Charlottesville 0° near CB & of (?) WV12. I think they're paired. Took CB egg from WV51 - 0 so she'll be starting up again. VT & E. found new nest - WV529 - in ground cut X. from WV527. This nest lost a J. egg only 2 today.

VT & E. banded 4 new birds on WP Rd. Pair from WP22 & pair from WP27. WP25 & building new nest to WP25-b. Also, the WP3 &, who is building in WP5 area finished today to WP28. Bold Knob activity: BK1 had 2 J-eggs in it plus new CB egg. BK2 was complete! Saw UB pairs that I think belong to these nests. WV523 pretty dead - I removed CB egg. I think WV528 & (WV57) has abandoned her 3 J-eggs, as no one has seen her around or on the nest, & a lot of loud machinery has been going on X - the Rd.
May 21, cont

They have been doing backhoe stuff, etc. at boathouse. Maybe she couldn't take it.

May 22

Warm. a.m. ~75°F. Rainy. P.M. Thunderstorms - a bit of rain and on. WP23 & caught in net in storm it died. E1. put an egg in ST13 & one in ST14 (others broke). CB egg in VW525 - others empty. New 3+ egg in BK1 - others same. V & E1. wetly again on WPRD. I did not go there today. Fixed up aviary. More later.

May 23

Warmer a.m. ~70°F. Rainy. P.M. Thunderstorm ~midday. Cooled afternoon ~60°-65°F.

Yech. Stomach pains last night. Still got up ~6:15 & checked VW13, VW525 & 26. No D. Found VW11-R. It is near the stream bank, though not on. 4 J. eggs & incubating. Saw the Charlottesville O° here w/her, chipping. Set a net in stream bed, but no luck today. Val saw Double white building ST1-R right next to VST1! Wonderful....

Felt tired & lathargic all day. 2 cylinders as they say. We all went to WPRD together today. P.M. They are plowing quite intensely to make a parking lot right over the creek outflow and have been creating a tremendous disturbance. Today they threw hay right up near VW523's
May 23, cont

nest- it's no wonder she deserted. There is an VB pair in
white pine field- around the aviary. We'll have to get them.
El. & I caught up on our notes today- whew! It helped walking
WP Rd together, as I got more of a feel about who is who & where.
They also saw the 07 (black/white stripes) building a nest near fork!
Large pieces, pre-lim stage. & apparently uninterested in nesting.
El. saw a banded bird (07) in WP area- couldn't ID. Fully
looked like S-R, Blue/Red or Red/Blue - L.

May 24

I wore my Jacket & gloves 0700.
Cool am: warmed up 70-75°F p.m. mostly sunny a bit of clouds.

Well- what a day. First, WVV13, WVS25 & 26 had their 1st 5-6
eggs. I replaced them all. I have begun using a heat bulb & H2O in
a dish to keep the eggs. They are crowded so will hopefully evaporate less.
I'd say the 70 is 70-75°F in the- maybe warmer. Eggs feel tepid to
the facial touch. Maybe too warm? Turning 2X/day, too. We'll see.

Still laying O.K. I set 3 nets in WP field & found the
9 building her nest- so, new nest - ST18. Also found WVS27's
replacement nest- also being built. The old (deserted) was torn out today-
eggs taken of course. WVS29 & banded this a.m. Back on nest p.m.
also found WVS30- being built by VB & WVS31, a bank

Near bottom of Bald Knob Rd. 9 (VB) incubating 4 J's & 4 CB eggs!

Val & El. have been netting a lot around in Dolingers & the
fork there. Finally caught a 07 in the pasture. Val's grading
papers & checking nets. Oh boy, 2 incubating 07 on Bald Knob-
May 24, cont

boy, I saw alot of Juncos up there today. All UB, except of course the WP18 'Kid.'

May 25

Found 3 nests today. Andrea found the one on the mid section of Spring Rd; I found another W of that, in woods near the stream. Also found an in prep nest near WP4 area. Eggs: WP28 & WVS23b had their 1st eggs today, which I pulled out. The other 4 nests had their 1st failed - shit. It was ready to hatch. ST11-R is finished. It is at the same site as ST1-II. Saw a bunch of banded birds on WP Rd (Refer to notes). ST18 + WVS30 nearly complete.

Saw the Horton pond pair w/ Charlottesville o² interact today on WVN. Near stream X-ing area. Time to look for nests here. V & E. saw one of the replacement o² of WVS2 - out W. in Polinger's area. Lt. Grn 0 Red 0 (ut green - L). I saw the Orange 0 Blue 0 on WP Rd. W WP9 area. W/ o² on 08 09.

May 26

A.M. overcast, warm. Slightly breezy.

Sunny p.m., w/ some overcast. ~75°.

well - lots of eggs today. ST16 had her 4th & I returned her clutch. Double-Red still eggs - no one hatched yet.

However, V & E. found a nest at the hotel that had old young
May 26, cont

in it - Val said ready to "pop". They'll wait a day or 2, then
grab the kids to band, & met the parents. WUV13 & incubating 3
eggs - I returned her 2. WUS25 & 26 had 3rd egg - tomorrow
1st (?) 2nd egg in WUS346. Eggs 1 in WUS27-R & ST18.
I think CB got WP28's egg before I did, so I did not get
them until ~ 1330. We caught WUV11 & today - yay! Val
also caught the UB o* that sings in the fork of WUS +
Dolingu's.

I found a new nest, up in the woods off WP Rd. The
o* is UB, but the q is a young (only child when I left)
from WP5b. We now have 4 young from last year
known. V + El saw WUS2 q today, she is mated to lt Green
0 Red 0. Lt Green o* - from W. side of Dolingu's. She
is apparently injured, it can barely fly. Hmm. Also saw
the Orange 0 OK Blue 4 building a nest in WP9 territory.

The Horton pond pair has been seen by Zig
building a nest off WUV Rd. He saw her carry moss
to a cavity off the Rd. Oh boy. Sue & I set 2 nets
to catch the Spring Rd 1 q. We'll try tomorrow.
Went to Luther Brown's tonight - what a fun
time!
May 27

Oh boy. Rained today. 60° - 70°F - Heavy rain a.m. & got foggy & rained a bit lightly off & on all day.
WV525 & 26 both had 4 J. eggs & began incubation. WV13 also had her 4+ eggs. Still no eggs, and ST18 had her 2nd.
WV530 & WP256 had 1+ 2 eggs. WP28 & WV5236 both had no J. eggs. I presume stolen. I got to these nests several hours earlier than yesterday. Hmm.

She is nested to an OBD o° at bend in WVN. Interesting - this 4 & made switched - I saw her building nest. Found new nest on Bald Knob - BK5 - at Top of Forth in RD. Also BK2 has 2 J & 1 CB egg, it is incubating. BK41 failed.
WV524 hatched a CB & 1 Junco. The 2nd dead J. egg is gone.
No one else hatched.

Violet El. caught the family at the hotel - the young fledged they got all 4 in a cage & tried to net the parents but they saw the net. I had a trap in my car & we caught the mother w/ it. I went into net after that. The kids looked pretty good & strong. We all figured out the best way (El's) to measure a good standard tarsus length. We kept the o° to use as a lure. I took photos of the fledglings. Sue & I made pineapple upside down Angel food cake tonight - what fun!
Warmer 60-70°F much same as yesterday. Lighter rain am. No real heavy showers, but off and all day.

A lot happened today. No 1st eggs in WVN14 (Horton's nest). WVN21-R, or ST119. WVN13 failed. 2nd eggs for WVS30 & WP25b. WV23b laid her 4th egg, & I gave her 2 back, along w/ the only egg from WP28. The WP28 & deserted that nest, it has built a new one, a bit N. of the old, along the Rd. Found it today.

WP29 hatched today. 3/4 eggs, & we caught both parents. They pre-banded, we weighed her, kept q. This nest becomes an experimental. WVS31 hatched 1/4 egg yesterday. I weighed the kid. If no other eggs hatch, we will transfer the kid from WVS24 to this nest & make a 2-young brood. No one else hatched; ST19 on her 14th day today; eggs look chalky. I'm afraid that ST16 & WVS22 eggs may not hatch, so I kept them cold back when they were held.

V. & El. caught the o q WVS29 today; also a WVS24 (held him). There was a consort w/ the Hotel & w/ fledglings, & they also caught & banded him. I caught SP1 & I banded her.

ST18 incubating this a.m., only 3rd day. I gave her eggs(3) back. I found WP22-R 9 incubating 4 fresh eggs.

Total nests so far found = 45. Excluding ones that never started (WVS23 + WP24) = 43. Of these, 11 have failed (WT 10/19) for various reasons. Some have been over-
May 28, cont

Parasitized, as CB's taking 1st 5 eggs & leaving nothing. Some have had only 1 J. egg left w/ CB's, t we robbed it to get 8 to begin again (2). 3 were deserted— one I think because human disturbance from the tractors was too much, one because "something" took 1/3 eggs, t I did the same in the other. One failed because V & G caught 8 in net during thunderstorm & she died. The rest failed from predation. This makes—

Failed from predation = 6

Failed from CB induced plus other causes = 5

Desertion = 3

May 29

65°F

Warm & wet this a.m. Foggy-dripped. Later, p.m., temp. dropped—still gray ~ 50°F. Night—COLD.

1st egg in WVN 14 today, but none in WVN 15, 511K, & WVN 21. All other nests O.K. WVN 21 hatched all 4 young today. ST 14 hatched 1. I put WV 531 kid in nest of WVN 21—rook out CB. Caught & banded SP 24—also SP 1 & 2's 0°2.

Vol. F 54 caught 6 O O'F around the power cut area. S. of WVN 26, Nick ran nest. Also caught the "Rock face."
May 30

Freezing today ~ 40°F. Windy & cloudy. No rain.
A solar eclipse ~ 1230-1530 today.
St18 hatched all 4 eggs today (fayed 1). Tried to catch 1 here,
but too windy - the net was very noticeable. Caught 2,
though, using a lure 2°. Nest now an Expt.1. The damn
Red. Crew are Ploughing up the banks w/ out us knowing
where it went. They nearly wiped out WVS22 + WVN14,
but missed them by inches. El caught WVS22 & to weigh.
Also looked for 2° w/ WVS24 + WP24. Saw none.
The hotel 9, however (w/ fledglings) was consorted by an 08
9 who fed the young. They banded him, too.

Egg 1 in WVS21-R + WP30. Now in WP31
or WVN15. WVS27-R seems to have deserted again.
WVS30 9 should’ve begun incubating this a.m. (4th egg),
but I think the ploughing disturbance was so bad that
she stayed off. Double-white - saw her building 7 found
the nest. 7 is 20 yds. N of Greenfalt, X the
road - station side. WP25b did begin incubate today,
as she should.

May 31

Also cold today, but not as bad as yesterday. ~ 40-50°F.
windy, Some Sun & some cloudiness. My skin is drying out.
a.m. - WVN14 laid 2nd egg, WVN15 1st. WP24
May 31, cont

WVS21-R - 2nd egg, plus a CB laid in thru. ST16 failed, & ST17 (1 Red-ff) hatched 2 young (1 was ½ hrs & ½ WP22-3). We caught & weighed her today. Also caught ST12 ♂, who had an UB o♀ hanging about. I think he is the White Pine Field o♀, who E1 has been trying to catch, but will not respond to or appear with a o♀ lure & song (!). WP27 also hatched 4 kids, but no one had time to catch him.

I went to Bloomsburg from ~1330 - 1730, plus I had to move into Laing. I weighed all the young on the station (Double Red ♀'s 1 kid, ST12, ST17), & E1 did the non-station nests.

Val & E1 spent the morning trying to find the nest of the WVN13 Pair. They saw her w/ gross hair & tail, but were not able to follow her. Hmm. They went to Bloomsburg later ~ $600, so neither of us had time to do everything. I have not had time to west-find or go up Bald Knob these past few days.

Spring Rd. ♂ still eggs. WVS30 ♀ is incubating, & WVS27-R appears to have deserted again. I took his eggs.
June 1

Much better today. Warmer, 60's a.m., cool, 68 cloudy, + wind today. Wvn14, Windy. Wvn19, If everyone else laid, Wvn14, Wvn19 (4th egg, began incubating), Wvs21 - R, Wps0, Wps3, Wp28 - R. I'm now looking after 6 clutches of once. Wp22 - R failed. Oh - Wp26 hatched only egg III. The other 2 are light + dead. What did I do? Otherwise, she is right on schedule. No, it couldn't have been my doing.

These eggs had the same treatment as did Wvs22, + they all hatched. Did not begin light bulb treatment until 5/24, + Wp26 began incubating 5/20. Maybe in future, I would like to put her kid in nest of Wvs20, who also hatched their 2 juncos today.

Caught Wp27 + this a.m. U + E. I have been going to the hotel, t saw the Wp28 kid hanging about on the Rd. + to Dringer's w/ an UB #.

They also tried to catch Wvs30 + c? today, but he took off for hrs, + he never showed up. Did they catch the replacement c? from ST/2? Or, the c? of ST/18? Tune in tomorrow for it in #8...

I believe I am getting a good standardization on measuring baby's tarsus. The 1st few are poor. Only 3 kids left in Wp29 (c) →
June 1, cont.

She is a 1st yr. bird, so that probably puts her at a disadvantage. The one gone was the youngest & the next smallest was much smaller. (starvation) cried a lot. Vgh. Found WV52 today - 45. 1C8 egg. I think it eggs dead.

So far, we have 45 nests that have produced eggs, & 28 of these are currently active. We have banded some 90 new adults so far this year (!). The nest failure rate (egg stage) seems high to me compared to last yr., but it may not be. Hmm.

June 2

Warmer - windy a.m., less so p.m. ~ 65-70°F - mostly sunny.

Hoo-boy! one of those long days. Val & El caught the replacement on 51712 this a.m. When I went to weigh this eve., one young was gone, & the big one was dead in the nest. It's head had a big bloody injury - reminded me of being pecked. Hmm. Replacement or infanticide, perhaps?

Egg switching going well - all laid on schedule today. WV521-R 6hr should be starting incubation; & someone took the dummy eggs - probably yesterday. Found complete nest on bank across from Dolinage, near for 1s. Active? also found Silvatica 9's replacement nest - building today. 517 hatched the 2 remaining eggs today & we put them in WP26, which also hatched it's 2 other eggs (making 4) & WP2, that hatched all 3 today. El. went & caught & weighed 4 & 1.
June 2, rain

87 a WP21, t held 07. also weighed to WP26. She'll be a control for WP21. Everyone else at WP8&d 0 0.

ST15 also hatched all 4 kids - she's the control for Val.

ST12. Oh, El. told me that WP29 9 has a 07 - he is banded, but Val couldn't get a good look. I'll bet it is the Red White Blue 07 (WP30's mate). t since she is incubating this am. he's safe to move elsewhere...

In WP329, only 1 kid in west today. We were going to add ST17 kids & make 3, but we decided not to at the last minute, t couldn't catch either birds, anyway.

Haven't had a chance to check Bald Knob a Spring fed. birds. Andrea told me that SPI failed in 1-2 days ago.

June 3

Windy, mostly clear -- 60-70°F.

Wow - what a day - V. & El. are the brilliant catching team at M155! They must have caught 10 birds. Firstly, WNV11-R & WVS32 hatched. Only 2 young in WVS32 hatched, other 2 eggs seemed dead. V. & El. caught the 99 from these 2 nests, plus the 07 from WP21. Already a replacement 07 at WP21 - they caught him, too. ST15 failed - 2 young found in nest - one dead, t one badly chewed ½ dead - all bloody. Pretty awful. Found WP22-R2 - also on same bank as old, but a bit farther N. Only 2 fledglings seen at
the hotel, & the banded replacement isn't feeding. Banded Stirl kid, WV324, & WV322. WP29 kids were day 2, but too small to band. Now there are 11 nests hatched. Ugh.

No one laying now. WVNI5 incubating this a.m., also Stil-Rb incubating 3 eggs. WP31 & WP28-R also began incubating, all w/ 4 eggs. WP28-R apparently stripped a day- no egg II, but next 2 days she had 1 more, & incubated on the day I saw her 4th egg (l).

WV326 I think failed- Val said that he thought the eggs were warm, but they were also in the sun.

Saw WP18 0° w/ WV322 nest- we caught the 0° here, too. No one can figure out why- he was interacting w/ the pair. V & El caught & held 0° of WVNI-R, as it was supposed to be the expentl. fn WV32. However, Only 2 young from WV32 hatched, where 4 in WVNI-R did. No go. Oh well.

Saw Orange/Brown stripe 0° (we thought was WP27 0°) w/ an UB 7 in WP9 area. Hmm. V & El also caught WP31 0° today!

June 4

Warm today- ah. Very little wind, Sunny ~70-80°F.

V & El worked on the class stuff this a.m., I also tried to watch triple blue 7- Val thought he saw her build, but
June 4, cont.

Maybe not. It is a bit too soon, since her kids were only
nagged yesterday. I looked around. Red/Blick 9's two, but
ended up in Dolinga's before getting out of the woods &
finding any suitable nesting sites. The empty nest
X from Dolinga's I found 2 days ago had a jeggg today.
Also found a new, complete nest on Bald Knob Rd, &
Blue I failed. BK's had 3 J. eggs & the CB egg I
put in was gone. Used to have 2 J's & a CB egg. She
must have been laying & incubating at 3rd egg. Hmm.

WVS29 kid gone. Both STILL-R6 & WVS21-R were
parasitized after incubation & set. Both had only 2 J, & a
new CB egg. Ugh. Everyone else fine, except:
WP29- only 1 live kid in nest. The one I banded on
6/3 was dead in the nest, & "Both" was O.K. I banded it.
Only 3 kids in WP21- the runt gone. I think there was
something wrong w/ it from the beginning, before I became
an experimenter.

V & Vi caught WVS31 & today, but the 0° would not
come in. They found a 9 who was a kid in WP7- breeding
w/ the hotel- caught & banded.

Warm- mostly sunny - 75-80°.

Oh boy- predation strikes. WVS29 & WP29 & WVS32
all failed- going gone. Banded STILL 2 kids. 2nd J. egg
in WVS33, & WP22-R2 still empty. Not alot happened.

June 5
June 5, can't

today. Just the normal hum-drum stuff. The WP7 & (tid)'s young are near fledging, so that V & E. did not band them. Hanging around WP29 is banded, but no one could I.D. him. Horton Pond 0° & UB hang around WVS11 & her 4 young still OK.

Jim Hill helped me clean out a bunch of eggs today by filling up a big hypodermic needle w/ HzO, making a proper-sized hole in the egg, & blasting out the contents. We were very successful - I did some 5, but most of the CB eggs.

V & E. caught the WP7 0° w/ his UB & in a trap - unfortunately, we still can't find their nest. She had a good brood patch.

June 6

Hot - mostly sunny - 80°F.
Egg 1 in ST16-R & WP22R-2, Egg 3 in WVS33. ST17 failed.
When I went to weigh WVN11-R, nest was empty, & I found 3 going-OK. outside of nest - cold & hungry. I put them back & chopped. Work.

Banded WP27. They did a lot of rd-work - paving & filling in at the hotel. V & E. said that the WP7 & kid's 2 fledglings may have been endangered from this.
June 7

Hot - 80-85°F (?)

WVS24 fledged today. She got a real replacement 03, which
and E1. caught & banded this a.m. He chipped a lot, but did
not feed. We (David & I) caught blue-2 fledgling & also
the 0. Weighed them. Egg 4 in WVS33, incubation. Egg 2
today in ST16-R & WP22-R2. Looked for WVS25-R-Nam.
Found ST15-R - it is right on the back gate to
the station.

Only 2 young in WVS11-R. Hm.

WVS25 is supposed to hatch today - it is day 12.

It didn't.

Hot - sunny 80-85°F

June 8

WVS25 still unhatched. However, checked on WP31, & her eggs look
chalky - I don't think it is my doing. Further, the 4th egg should hatch
if any would. ST11-Rb failed today. I banded WP26 & WP21.

Val & El spent ~ 1/2 hr. on WVS24, looking for the other fledgling.

Said they didn't see or hear anyone except the 0, chipping
all around.

David's nest from yesterday - near 2nd gate on WP10-
the young were ~ Day 5-10/9. 3 had hatched, the 4th not. We
captured the parents.

ST16-R - probably incubating 3rd egg. I gave her 2
eggs back. & WP22-R2 - 0 was on late a.m., but d/later.
June 8, cont.

I measured her 3rd egg, thinking she was incubating, I left it in. Come back p.m., & that new egg was gone. Jeff found it.

The WP7-Pair- female building nest in WP17 area. She was working on it all day - every time I went by. Rock face female doesn't seem to be building yet, tho we've seen her around for several days.

STILL-Rb. failed today. WVS33 on- 4 eggs today.

Bald Knob - BR5 still incubating, BR6 failed. BR2 - CB hatched, but not successful yet. Took out CB & froze it Ug.

Banded WP26 & WP21.

June 9

Hot, mostly sunny ~80°F.

Lots of happenings. We decided (Val, Eli, David & I), that it would be wise to catch kids on day 12 if still in to get wts & taici, to induce fledging. This way we are guaranteed to get the whole brood fledge wts. 87 V & Eli said they spent ~3 hr as WVS24, but could only hear the replacement 03 chip.

No 0 for young. Perhaps none made it. Our observations suggest that 1 young was maybe taken from the nest (Val noted that nest was a bit pulled up). We only found 1 fledging as well. Anyway, we caught the 41 kids in WVS22a got their wts (they were day 12), plus caught both parents. Added bands to the 03 (white-L) who was WVS16.
June 9, cont.

last year. VE1 had found another fledged brood at the hotel, I was trying to catch the lot today.

WV525 hatched 3 young today - David & I caught 3 aged 0. Maybe 0 will be experimental (?) to match 4 51/18, which should hatch tomorrow.

Banded WUV1-R, & WP32 nest failed. Saw parents when we went 0 ~ 1200, chipped a bit. Birds in this nest were probably day 6.

A lot of the day 7 young are screaming when I pick them up. Interestingly, WP26 (control) young of same age as WP21, are not spooky, but weigh ~ same as WP21 kids (expmt.), who beg fearlessly at me when I reach in. Hmm. Influence (social) of the older kids in WP26?

Egg 1 in 51/15-R today & 51/16-R Egg 4, incubating. WP22-R2 began incubating – 3 eggs, as the 3rd was taken.

Also, since it's been in the 80's ~ the past week, I have stopped putting the light bulb on the eggs I am holding, as they were getting really warm. I now just keep them in the closet without the light.

June 10

Warm again ~ 80°F. Mostly sunny, a bit of haze.

Egg #2 in 51/15-R. Still no hatching in 51/18, or
June 10, cont.

WP25b (day 12 for her). Still just 3 eggs young in WUS25.

Saw UB o\textsuperscript{2} - he chipped - weighing WUS11-R. Young screamed at day 7. David & I tried to catch this UB o\textsuperscript{2} w/ lure bird & song, but only the Hutton Pond o\textsuperscript{1} came in! Val found new nest, WUS34, around bend above WUS24. UB pair, 4 incubating. We tried getting the o\textsuperscript{3} here w/ lure o\textsuperscript{2}, too, but he didn't show up all. We'll try for 2 tomorrow.

Looked for ST17-R - 4 chips w/ us w/ W. corner of swimming pool, o\textsuperscript{2} sings all over there. We couldn't find it!

There was a newly laid CB egg in WP22-R2 this a.m., & the eggs were very cold. In 1 hr. time we didn't see the 9 a.m. - we went in w/ 1130, & came out w/ 1230.

Rock face pair 9 seemed to be looking for new west site; hopefully she'll give up the 40 ft. tree site.

Double-Red was building a moss stage west on the porch light of Clayton (Jerry Wolfe's cabin) today - chipping at us. Saw D. Blue eat a butterfly - no sign of him feeding young. However, Jerry saw a Red w/ a worm-larva in his bill this a.m. - possibly still feeding? The kid would have been only day 10 if it had fledged yesterday. Hmm.
June 11

O.K. - Warm again 80°F - sunny - w/ haze.

We (David & I) caught 2 young from ST12, 8 8. Weighed & measured all. The white orange white 8 came in, chipped, & even did a distraction display (flying down behind the fledgling) when I released a kid. They were day 12. Pretty light. Then, ST18 hatched, 3 a.m., & 4 p.m. young. He came to this nest when we weighed the young & chipped! So, it must be her mate - we'll see if he feeds them.

Also, caught all 4 kids in WP27, w/ 8. We thought they were day 12, but it turned out day 11. However, they were heavy; x = 17.84, compared to day 12 ST12, x = 16.125. Also, I was standing in the nest, it ran out before I got my hands close... they may have fledged...?

WVN11-R apparently failed - went to nest at 1400, 8 came & chipped, was with Horton Pond 8. But, nest empty, & no sign of day 8 young.

WP256 not hatched yet - no egg in WP33 & WVS29.

Egg 3 in ST15-R.

Double-Red still working on her nest above Jerry's porch - added grass today.

No luck finding Double-white's nest or 1 Red-L's mate nest.

Went to Blacksburg, came back & went up Bald Knob BK2 failed, but we saw her building a new nest
right X the road. BR5 hatched, they are 3 days old. They
must have hatched 6/9. We weighed WW525 earlier, these 3
were ~ the same. I took 1 young from BR5 and put it in WW525's
nest to make a 4-yo young brood out of it.

June 12
Warm, ~ 70-80°F, a bit hazy & not hot.
WP256 hatched all 4 young today, + we caught + weighed
WV114 & appears to be gone (?) - + WV114 should have
hatched today but I forgot to check.
VT61 had the class do nest watches in WP26
+ WP21 - the replacement 0' as 21 did not bring food.
Checked up on WP27 family - at least 3 young.
David & I found 2 ½ nests on WW5, today,
S. of WPRD. One, 9 ub, has 3 J. 6 (8 eggs, 1 empty); 2
are the WW56 & W/an ub 0', apparently hunting
for a nest site on the bank. She chirped at us.
ST18 watched today, the 0' fed quite a
bit.
WP256 must be a control because she is a 1st yr
bird, & WV114's 0' has been hanging around w/
the 0' & a lot, so she may mate w/ him
or leave. We'll see tomorrow.
June 13

Cooler today ~ 75-80°F. a.m. - partly sunny, clouded up p.m. - Thunder storm ~ 1430 - 1530.

WP26 fledged today - orange stained young was Day 12, & the other 2 were day 11. Sue Berndt helped me catch them: we got all 3 kids & the 4. The oldest fledgling did not weigh the most, but had the largest tarsus. & lost ~ 3 gms. WP30 did not hatch today, as did not NNW14.

There were 2 CB eggs in WVS35 (the new nest). I took out 1. Saw the WVS6 & building in the spot she chipped at us yesterday. Found a new nest ~ I think a replacement for WVS32. Close to the boathouse.

3 eggs today - I am almost sure the clutch is NOT complete. We'll see tomorrow.

WP21 did not fledge today. . . . . . No one failed.

I looked for ST17-R, but no luck. Also for ST11-R3-200.

David left this a.m.

At this point, we have 3 fledged control broods (2124)
two 4-yearling, 1 3-yearling) & 2 expts (both 2 young). The rest failed.

June 14

Cooler ~ 75°F. ~ ½ sunny, ½ cloudy. No Rain today.
June 14, cont.

WP21: Day 12 today Ellen & I went down thru ~0900 & 2 young were in the nest. Caught them in nest. 3rd had already fledged, & we spent ~1 hr. chasing it before noosing it. It flew as if it had fledged yesterday. It went ~30 ft. up in a tree for a while. Got everyone, eventually. Then, chirped, but did not feed. The fledged kid was ~2 g. lighter than the ones in the nest - it brought the fledging wt. down, but it is still comparable to control broods. That young was the heaviest in the brood before.

I guess they must loose wt. after fledging... ?

Saw at least 3 kids in WP27. Red has a bad wing or some things - couldn't fly at all. Also saw both kids from WN 5712.

WVN14 hatched today - 4 kids. Caught 3.

No one else hatched. Every nest this yr. has had at least a 14-day incubation pc. a few had more. Very strange.

The blackbirds have already made their appearance. Saw ~20-30 today around WVS14 area.

The nest near the boat house turned out to be the WVS7 & WP18 - saw them both today. She laid the 4th egg & began incubating today. 5th sang nearby - wow!!: The WVS6♀ completed her nest today.
June 14, can't

I've called it WVS36. Went around power out WVS27 - 29 around this eve. Saw several - at least 3
I heard a once singing - Found no nests - eg...
Oh! We found ST13-R- She is back in very
(~ 5.6 ft) fans, N. of Volleyball Court, in a fiddle-head triangle.
5 J eggs - chalky, Interesting...

June 15 -

~ 70-75°F. Mostly sunny - abit of clouds/haze. Pleasant.
O.Ko - WP30, ST13-R hatched today - also 1 young from
WVN15. Caught 8 8 from 1st 2 nests, but not from
WVN15. Both WVN15 & ST13-R should be Experiments.
Problem w/ ST13-R is that she has 5 eggs, 4 of
which hatched today.

I watched WVN14 this a.m. for 1/2 hr, it of did
not come. Val & El later found the WVN14 8 w/ the
WVN14 8 down the Rd - she was completing a nest
w/ him - on boy - Our 1st case of
POLY & NY4! Will the ST12 & ST180
also do this?

2 of the young in WP25b were outside the nest
today - O.K. I put them back. Ham.
Banded 4 kids in WVS25, & only 1 left in
BK5. Nest on WVS WVS27, had 1st J egg.
today along w/ a 2nd CB egg. Also @ B. Knob - the
replacement nest for BRZ. had 1 J. & 1 CB egg in it.
The SP nests all Kaput - SPZ definitely deserted.
Oh! the WP Rd. O-trapping finally caught someone -
WP10 ♂ is back! She's w/ the replacement ♀ (actually
she moved to his territory).
The ST18 ♂ was seen hanging out w/ the ST12
kids - did not see the ♀, though.
Double-red has laid her 2nd egg in the crazy
Clayton nest. It seems very shallow. I think things
will roll out.

June 15, cont.

Cooler 70°F. Cloudy & misty - foggy. Did not rain.
O.K. - hatched today - WVN15 (2 max = 3), WP28-R, & WP31. We
caught all ♂ to weigh, but only could get Slow sang +
WP28-R ♀ to hold. We wanted to get WP31 - & WVN15
♂, too, but they would not come in for 0°C lures.

Another weird incident w/ WP25b - E. found 2 young
out of nest again; this time they were injured, but not dead.
Hmm...

WVN11 ♀ laid her 1st egg in her nest w/ Huntan Paido.
E. watched WVN14, & saw this ♀ feed 2x in an hr.
All 5 of gray/white ♂'s (ST13-R) young hatched, but egg
June 16, can't

in. WVN15 has not - t we'll transfer young tomorrow if it doesn't (looks dead).

Val caught one UB o in the territory N. of WP10, but S. of the 2nd gate. We banded it released him.

Mary Palmer did her defense today - a Big Party - we saw a bird that must have been the Ripper (S & 2 Lt Blue/Red 5-L) in a O36 interaction w/ an UB o (WVN15 o 2 ), then sing along the Red just S. of WVN15. When Val tried to catch WVN15 o w/ the lure, later, he said as soon as he went close to the lure, the 9 chased him away (!) Not her mate?

Egg "2" in WVS 37 today, + Egg 3 in ST14-R.

June 17

Mostly overcast & damp ~ 70-75°F muggy. No rain.

A.M. tried to catch WVN15 & WP31 o 2 , w/ out luck. Stormy.

I used a live chipmunk lure & caught WVN15 o 2 p.m., Val & I also got WP31 o 2 p.m. They also caught an UB o 2 W WP28-R 9 & one in his territory W N. of WP10. There are apparently lots of o 2 comming in W WP28 area - very quickly.

Yesterday we removed him, t already there were UB o 2 & B. o 2 there.

Slow song escaped on WP ed from Val - he had not been eating it was weak, but as soon as he got out
June 17, can't

he began eating ravenously. Double Green seen hanging around Grn/white stripe & a lot today, even singing up there. I transferred the 5th young from ST13-R to WVN15, where only 3 eggs hatched. Unfortunately, the marks screwed up in WVN15. I found 2 Waris when I weighed - my marks had come off. I felt out of touch yesterday, so I guessed.

ST14-R tipped out - could be a red squirrel (?) or just her with all eggs spilled out. WP256 failed. I didn't have time to do much today - went to Luther Brown's.

Found WVN16 - S of WVN15. Had 1 1/2 eggs - the 1st, presumably. Still don't know whose nest it is. Egg in WVN11-R2, 1 in WVN37 & 1 in WVN36.

X? egg gone

June 18

0700-0905 80°F. Muggy. Showery a.m., clearer p.m.
WVN - WVN11-R2 had 3rd egg & incubating. Saw a new small hanging around her - it is a nestling from WP3. Hum.

Watched WVN14 today - 2nd feeding; not seen a WVN11-R2. WP31 2nd escaped from cage, but I don't think he returned to his nest yet. I caught a replacement 07 there today, but not in WP28-R. Val & Sue Bonfield watched WVN14 & WVN11-R2 simultaneously today. WVS25 failed
June 18, cont

Nest empty - parents chipped (kids only. Day 9); I
found 1 dead near nest, but no live kids.

- Egg 2 in WVN16, Egg 4 in WVS37 (hatched by her
  clutch - she's UB), & J. egg 1 (I think) in WVS36.
- Also more CB eggs here. Only 1 J. egg left in
  WVS35 - & still incubating.
- Think I found WVS21-R2 - in barns near original.
  1 J. egg tossed out, w/ puncture, & 1 CB egg in. Hmm.

June 19

Overcast & damp a.m. - cleared a breezy p.m. ~ 75°F.
WVN11-R2 incubating today - 4th egg. No 030 seen
w/ her. WVN16 had 3rd egg, + a replacement 03 (UB)
singing w/ WVN15 - he really is there. Tried to
catch him w/ a lure, + he responded well, but the
net was in the sun.

WVS21-R2 - laid 2nd egg - I am "preserving"
them. WVS33 hatched all 4. V&El caught 0, +
I caught the 0 - we held him. This nest becomes
an E to match w/ ST16-R(?)

V&El. found the nest of Gea 0 black o green 02 in
dolingers w/ ~ 3 day young, + banded them.
ST18 failed (shit) + all O.K. on WP Rd. I
did not see any 020 w/ WP31, replacement or
June 19, con't

the escaped 0? Nor have I seen Slow Song - whenever I am near the nest, I hear D. Green 0° sing nearby.

Sue & I went to Bloomsburg ~ 1820.

June 20

Not a bad day. A.M. overcast, as yesterday; P.M. Partly sunny. No Rain. ~ 75°F.

Wow - WVN16 9 turned out to be ST12 9 ! She began incubating today, so I flushed her to see. Could not see the 0° yet, but she sang above the nest. We have not checked on her kids yet. E1. told me that the yearling 9 on the hotel whose 0° they took returned ~14 days after her young fledged.

Banded WVN14 young. WVN11 9 laid a 5th egg this a.m. in WVN1 R2. Wow.

Slow Song still not seen. The young in ST13 R, however, are parasitized by bolster larva - eech. I 5t have seen E1. told me that the nest of Green Black Green in Dolinger's was like this. Both these nests in fans. I wonder if it is the dampness.

Found 0 new nests - I found WVS38 & 39. 38 is very close to WVS36 - in same freshly cut
June 20, can't

bank. 4 J's. 1 CB egg (which I removed). WVS39 is just being laid in up higher on bank w/ 15.1 CB egg. I subbed the J egg. T's nest is - 100 yds.

S. of WVS22 - I wonder if it is the WVS22 9-s. looked for those kicks up the G.O. Rd., but only found that UB family again.

WVS21 R2 - laid her 3rd egg. Looked a lot for 1. Red - Lt. & vest - No go. Saw the 4, orange/black stripes O Laine w/ c caring today . . .

Double Red's nest?

Double White's - ? May be in ferns. No of green box, on W. side. Hmm.

V + El. found the 3rd new nest - saw an UB pair building around WVS22 area.

I didn't have time to do WP Rd - Val + El. weighed the 3 nests for me (WP28: R. WP30, WP31). WVS25 - Caught & weighed Ork. Blue fledgling - the only one.

ST16-R - the Silvatica pair - hatched today - 13-day incubating same as WVS33. By 1530 only 1 had hatched, but 2 other eggs were pipped. Photographed her & caught & weighed her.

The 4th nest was just S. of the 2nd gate - I think, from the 3rd hand description, it is WP32-R. R = Lt. Blue OS-L, Blck 0 4 Gen. - R. 4 J - eggs, incubating.
June 21

Cool~ 65-70°. Overcast. Bruce came (!)

Val & El had quite a day!

1. WP31 9 escapee came back, & they caught him as he came to feed.
2. The 9 released in Blaggyn a Kentucky. From WP21 came back, & was singing. This makes 9-2 weeks since release.
3. New nest - WP34 had egg 1 today.

All WP26 kids alive, & at least 3 WP27. Banded ST13-R, & WP30. WVS36 2 incubating 3 eggs, & no new J egg recorded in WVS39.

No failures, etc. No hatchings or fledglings.

WVS21-R2 on 9th egg - but as the 1st was destroyed, only 3 eggs incubating.

Also on bank of Garbage dump Rd, an UB & furiously builds a nest, just a bit N of WVS22. 1st stages. She is either 9 of WVS35, or of the UB family I keep seeing. Today they were above WVS36-38 area, & fed.

June 22

Cool ~ 65°. Overcast.

Banded WVN15, WP28-R, & WP31. Young in WVN15 & WP31 were very mature - grew tremendously since yesterday, & feather development was almost like day 7 young. A few even screamed a bit. Hmm.

Pretty sure I saw all 3 WP21 young back in wood. Only 9 & fed, though "Toaster" was there.

The newest & 2 hotel, w/most way up high hatched-
June 22, cont

Ellen climbed up on a ladder & looked in. Bruce & Bill leave tomorrow. No failures--can't find my 10g Pesola balance.

June 23

Rained - cool ~ 65°F, maybe 60. Rained all a.m., misty & foggy, & rained lightly p.m. a bit.

Last w.t.s on WVN15, WP28-R & WP31. I put another color band on 3 of the WVN15 kids, so I wouldn't repeat the ST6 colors.

Saw what looked like Red/white on the 07 who sang near WVN16 - later discovered that the replacement 07 at WVN15 does indeed have 2 Red/whites. Hmm. Very bad light, I he was far. No problem weighing the kids in the feisty nests - they were quiet.

Also saw WVS26 07 (Blmtn return) just S of Stream Xing; he chipped a lot, but couldn't find nest (!).

Saw WP29 07 (S of Red L, 2 Lt Grns-R) up foraging in Red between WP31 & WP27. A 07 w/him, but I couldn't get a good look at his bands. Saw an Orange (?) 0 S-R.

Egg 3 in WP34 - I left it in. Egg 3 in WVS24-R.

Found the nest near 2nd gate - it is WP32-R. Flushed 0 & saw his bands. 4 eggs.
June 24

Rained a lot all a.m. Stopped ~ Noon, cleaned up & got sunny p.m. Val & El. saw an U.B pair building near stream X-ing on WPRd. El. saw at least 3 kids of WP27, & they banded the new replacement as WP31.

Strange happenings in WVN15. Val did a nestwatch this a.m. (El. watched WVN33), & saw 8 going to nest, presumably, & fed ~ 6-7 x/hr. when I went p.m. nest empty, but I carried food there. I found 2 kids huddled together in front of nest, O.K. Also found 1 dead, w/ a hole eaten in the R. side. Jerry said probably chipmunk or Red squirrel. I weighed them, I used one begging to catch & weigh 8. She'd lost ~ over 5g. Young only day 8, & they did not scream. Saw the replacement as Val banded them, also saw him sing near WVN16's nest.

No other failures - Val & El. did WPRd today.

ST15-R hatched - 3 young. All of a couple days ago, only 3 eggs seen in her nest.

Saw the WP3 o° (~5° Red, White 0° Red) in wood, singing. E. of Rd. between WVN15 & 16.

June 25

Cold ~ 55°F - somewhat overcast p.m., more sunny a.m. The only advantage to this weather is that my bites tend to heal up.
June 25, cont.

Saw a bit on WVS - a.m. WVS39 seems to have abandoned her nest. Eggs cold - no 9 for 7 1/2 hr. Found new nest there, S. of the Beathouse stretch. 9 was m.w) 25. I (Begg, 5 also 18. I took all eggs from WVS39 (2C8, 1J), took out C8 egg from WVS40, put the 15 egg from WVS39 in. Later, El & I noted no 9, cold eggs, 1ue 1 her gone. Hmm. We caught the pair @ WVS37 & V & 1; caught the 9 @ WVS38.

No new egg recovered in WVS35 - R. Oh, I discovered that the parents of the UB fledglings are the WVS40 birds.

Saw Red & Ork Blue of WVS22 kids - only 9 fed.

@ WVN15, found & caught Red, Red kid, it weighed 10. The WVN16 C, WVN15 "replaced" this, chipped.

Banded WVS33.

Greg told me about a nest up at the spring - the kids fledged today. All UB.

I did not have time for WPRD, V & El went.

June 26

Cool & sunny - 55° to 60-65°F

Oh wow, Fledge city! WVN14 fledged, day 11. It was no simple task catching. V, El & I caught 2 young before.
June 26, cant

Lunch, and the 9. 2 of the kids had xed the Rd, t 1 (Blue, who flew well), was on both sides. We finally got the 9, but lt Green was never found. 3/4 young w/ s gey used. ST13-R also fledged, day 11. I was able to get all 4 young, as they came out of the dense ferns, t were in the smaller ones around the volleyball area. Double Green 9 hung around-chipped it did distraction displays.

WP30 also fledged, day 11. I was alone- started w ~ 1630, caught everyone, finished ~ 1830. When.

Saw a 9 caught a stream x-ing come in when the young screamed, t he sang in the Rd, just S. of WP30. Also, Just N. of WP30 was Red while Red 9 (WP11) w/an UB 9. El. saw her building a couple of days ago. These 2 did distractions for WP30's kids! What does it mean?

Banded \ST16-R- No new eggs in WVS35-R.

The WP31 young looked ready to "Pop" today. I suspect they will tomorrow.

Saw 3 WP2+ young; for sure- they're now chasing the 9 around, noisily begging. 9 repeating?

June 27

Cool- sunny, breezy, ~ 55-65°F.

Started early. Took Sue w/me to WP Rd, to catch
June 27, 2021

WP31 family out of nest. Got them ~ 0820, as we were deciding what to do, all 4 "popped." We caught 2 right off, but the other 2 had hidden. Sue flushed up the 3rd from the Wood tangle X. the Rd. Then we set the net & caught the 4th easily, 0" chipped early; also other birds in the area were attracted (of course) couldn't see them. We waited ~ 90 mins until the 4th kid called, but finally caught it ~ 50yds. S. of the nest, at the bend in the Rd. Whew!

WP28-R was in, but I did not count. Later sent this a.m. E. Lee went & looked @ them, & 3 fledged from nest. 4th not seen, & E. assumed it had fledged earlier. They caught 4 & 1 kid a.m., then went to lunch. Came back & caught 2 more young. We waited a total of ~ 2½ hrs after catching #7, it walked all around the area listening for the 4th. We never found it. I assumed:

1. Read from before (it was a mid-wt. kid)
2. Went so far that we couldn't hear it
3. Went ~1 territory N. it joined the WP30 family that fledged yesterday.

These guys had migrated ~ S., it was in gully near WP22. I 2½ hrs. this is possible.

Saw only 2 young of WP21, Lau & Yellow.
June 27, cont'

missing is orange, who, again, was a mid-wt. bird. Watched them ~ 20-25 mins; they let us get pretty close, and I only saw these 2 many times. Saw all 3 WP26 kids, who chased dad around. Young in both WP21 & WP26 eating alone.

Oh- the WP21 original o° (returned from Blomberg or Kentucky?) was there w/ family for ~ 5 mins., but mostly sang. Did not feed.

Heard some of WP27; 2 kids in gully, but they did not chase o°- couldn't figure out who or how many. I think they are becoming independent.

Ages: Kids Days Post Fledge  

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<td>27 (if alive)</td>
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Found a new nest - Northern WP11 area. El. had seen an UB & w/ UB07 building nest had 25 eggs today.

WVS40 - 8 back on laid another egg. I put the egg 1 from WVS35-8 in, making a clutch of 8. WVS37 failed, 1 only 3 eggs in WVS38.